

CALL FOR PAPERS

2015 International Symposium on Smart Electric Distribution Systems and Technologies (EDST 2015)

www.edst2015.org

CIGRE SC C6 Colloquium Vienna



From pilot projects to roll out of Smart Grid solutions

Energy efficiency and low-carbon technologies are key enablers to manage the still increasing emission of green-house gases resulting in a global warming trend. Renewable sources, storage systems and flexible loads provide enhanced possibilities but power system operators have to cope with their fluctuating natures, limited storage capabilities and the typically higher complexity of the whole infrastructure with a large amount of components.

Due to changing framework conditions and technology developments like the liberalization of the energy markets, changing regulatory rules as well as new grid components, the design and operation of the future electric energy system have to be restructured, too. Sophisticated component design methods, information and communication architectures, automation concepts, and control approaches are necessary in order to manage the higher complexity of such Smart Grids. In addition, advanced validation and test concepts have to be developed to support the upcoming large scale installation of new technologies and approaches.

The main objective of this symposium is to bring the research and industry community together to discuss recent developments and approaches to support the roll out of Smart Grid solutions with a strong focus on replicability, scalability and system validation.

Important Dates

Paper submission (full paper)

Notification of acceptance

Final paper submission

~~March 1st, 2015~~ **April 14th, 2015**

~~May 1st, 2015~~ **May 15th, 2015**

~~June 1st, 2015~~ **June 12th, 2015**

September 8th-11th, 2015

Techgate, Vienna, Austria

Sponsored by

AIT Austrian Institute of Technology

Technically Co-Sponsored by

CIGRE SC C6 Distribution Systems and
Dispersed Generation
(CIGRE SC C6)

IEEE Industrial Electronics Society (IES)

IEEE Austria Section

September 11th

Industry Day with exhibition at
AIT Austrian Institute of Technology



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Submission of Papers

The working language of the conference is English. Submit the full paper as PDF following the IEEE layout requirements by using the templates given at the conference web page. Accepted papers that are presented at the conference may be published and included in the IEEE Xplore on-line digital library and indexed by EI Compendex database.

In addition, selected authors (with excellent paper reviews and outstanding presentation) are encouraged to submit extended papers for publication to the corresponding IEEE IES Transactions.

Topics of interest include (not limited to)

- Design of distribution networks with high share of distributed energy resources and flexible loads (e.g., electric vehicles, decentralized energy storage systems)
- Operation and control of active distribution grids and dispersed generation with strong focus on scalability and replicability
- Recent developments in SCADA and distributed control technology
- Interoperability and standardization-related topics for Smart Grids
- Advanced validation and testing methods for components and systems
- Smart Grid technology roll out scenarios
- Smart Grid components and power electronic design
- Security and privacy in Smart Grids
- New roles, services and business models for distribution systems (incl. regulatory framework and interaction with transmission system operation)

The organizers look forward to welcoming you to Vienna, Austria from 8th to 11th September 2015.

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